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## **Trimble Increases Alignment Planning Capabilities for Roads and Railways with its Quantum Software**

SUNNYVALE, Calif., Dec. 19, 2014 /PRNewswire/ -- Trimble (NASDAQ: TRMB) introduced today a new version of its Trimble® Quantum® system for road and rail alignment planning. In version 8, Quantum continues to provide the most comprehensive planning and costing solution available, with enhancements that offer road and rail designers a more seamless transition from planning to design with greater data integrity.

### **Rich Data Exchange with Bentley's OpenRoads for Construction Modeling**

Easy data transfer between the Quantum Alignment Planning System and Bentley's OpenRoads software extends the design-to-construction workflow for alignments to include corridor planning in Quantum. In addition, change management and tracking functionality preserve the design intent, and accelerate project delivery with a more seamless transfer of information from planning through design and construction.

"Trimble's collaboration with Bentley is delivering real-world solutions to transform the design to construction workflow," said Roz Buick, vice president for Trimble's Heavy Civil Construction Division. "By supporting enhanced rich data transfer with Bentley's OpenRoads software and i-Models, Quantum version 8 brings new value to our alignment planning customers."

### **Detailed Geometric Optimization**

Quantum version 8 produces accurate geometric alignments that can be used in the design and construction phases of a project. The geometric parameters and enhanced templates produce highly detailed alignments that result in a more realistic model of the route. Geometric alignments also deliver enhanced data fidelity and can result in more accurate costing at the beginning phases of a project for better communication between the designers and builders of new road and rail projects.

In addition, improved geometric optimization functionality allows planners to produce data rich, realistic graphics for client and public consultations. Satellite image overlays and Trimble SketchUp data warehouse models can be included to convey a real-world 3D representation of the design.

### **Availability**

Trimble Quantum version 8 is available now worldwide. For more information, or to download free demonstration software visit: [www.trimble.com/alignment](http://www.trimble.com/alignment).

### **About the Trimble Quantum System**

The Trimble Quantum system integrates engineering, environmental, social and economic factors into a simultaneous analysis of alternatives for rail and road planning. The system allows infrastructure planners to thoroughly examine all alternatives and select the most appropriate corridors for roads and railways. The holistic approach to planning new linear infrastructure can result in reduced planning time and cost, faster decision-making and lower construction costs. Projects of all types and sizes—ranging from regional, state and national transportation infrastructure planning to small bypasses and road realignments—can take advantage of the benefits of the Trimble Quantum system. In addition, the system can be used for mining, forestry and utility industry road and rail infrastructure.

### **About Trimble**

Trimble applies technology to make field and mobile workers in businesses and government significantly more productive. Solutions are focused on applications requiring position or location—including surveying, construction, agriculture, fleet and asset management, public safety and mapping. In addition to utilizing positioning technologies, such as GPS, lasers and optics, Trimble solutions may include software content specific to the needs of the user. Wireless technologies are utilized to deliver the solution to the user and to ensure a tight coupling of the field and the back office. Founded in 1978, Trimble is headquartered in Sunnyvale, Calif.

For more information, visit: [www.trimble.com](http://www.trimble.com).

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